

AMENDMENTS TO THE ABSTRACT

Please substitute the following paragraph for the abstract now appearing in the currently filed specification:

A multi-directional ball switch, which simplifies a complicated switching system equipped in an electronic instrument to be quickly operated by constructing a ball switch of which the rotational direction of the ball is specifically controlled by using numbers of wheels and frictional force of click encoders, and operation method thereof. The multi-directional ball switch includes a panel having 4 diagonally-located fixtures, each of which has an orthogonal shaft-hole; a ball knob placed on the panel; a conversion system that transforms the rotation of the ball knob into an electric signal; a CPU connected to the conversion system and to a sound generation section; a switching section which restrains the rotation of the ball knob and selectively generates an output from the CPU; and a signal generation section connected to the CPU.